

## ***Open Science: Driving Forces and Practical Realities***

*A One-Day Workshop Co-sponsored by CENDI and NFAIS and Hosted by FEDLINK*

*Library of Congress, Mumford Room, 101 Independence Avenue, SE, Washington, DC 20540*

**November 12, 2013**

**9:00 am - 4:30 pm**

### **AGENDA**

**9:00 am – 9:15 am**     **Welcome and Opening Remarks**  
*Bonnie Lawlor, Executive Director, NFAIS*  
*Donald Hagen, CENDI Chair, NTIS,*  
*Department of Commerce*



**9:15 am – 10:00 am**     **Open Research: An Overview of Key Concepts and Issues**  
*Dr. John King, William Warner Bishop Professor of Information, University of Michigan*

This session will provide a compelling overview of the current status or landscape of “Open Research” issues. It will define Open Science/Open Research, discuss what is driving the movement (technology/finance/policy/social-cultural), provide an overview of how far it has come, and discuss issues to be resolved -- reuse of information, creator/author rights, validity of content, intellectual property rights, attribution, machine access/readability/interoperability, and preservation of the scholarly record.

**10:00 am – 10:15 am**     **Break and Networking Opportunity**

**10:15 am – 11:45 am**     **Open Science: A Catalyst of Optimizing the Research Process**  
*Dr. Michael Stebbins, Assistant Director, Biotechnology, Office of Science and Technology Policy*  
*Dr. Rick O. Gilmore, Associate Professor of Psychology, Penn State University*  
*Dr. Victoria Stodden, Assistant Professor of Statistics, Columbia University*  
*Moderated by Bonnie C. Carroll, CENDI Executive Director*

The speakers on this session will discuss open science policies and challenges of moving from ideals of sharing to open up science to practice, and some of the barriers policy would have to address in order to catalyze change within the research community.

**11:45 am – 12:30 pm**     **Lunch** (will be provided)

**12:30 pm – 2:00 pm**     **Open Science: Practical Tools to Support Collaboration**  
*Dr. Jean-Claude Bradley, Open Notebook Science Project, Associate Professor of Chemistry, Drexel University*  
*Dr. Alberto Pepe, Co-founder of Authorea, Postdoctoral Researcher, Harvard University*  
*Dr. Jan Reichelt, Co-Founder and President, Mendeley Research Networks*  
*Moderated by Jeff Baer, Vice President of Operations, Workflow Solutions Business Unit, ProQuest*

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This session will take a look at three tools that have been developed to support open science and collaborative research: Open Notebooks, a trend that began several years ago in chemistry and has gradually gained acceptance; Authorea, brand new software used to collaborate on article manuscripts; and Mendeley, that, among other things, allows researchers to network with others in their fields.

### **2:00 pm – 2:15 pm      Break and Networking Opportunity**

### **2:15 pm – 3:45 pm      Open Science Case Studies**

*Dr. James Warren, Technical Program Director for Materials Genomics, Material Measurement Laboratory, National Institute for Science and Technology -- Materials Genome Initiative*

*Dr. Jordan Raddick, Johns Hopkins University -- Galaxy Zoo, Astronomy Citizen-science Initiative*

*Dr. Greg Farber, Director, Human Connectome Project and National Database for Autism Research, National Institute of Health*

*Moderated by Dr. Michael Huerta, Associate Director for Program Development, National Library of Medicine*

This session will look at organizations who are trying to participate in and/or implement open science – why they are doing it, the challenges they face, what they are doing to overcome them, and what their plans are for the future.

### **3:45 pm – 4:30 pm      Future of Open Science**

*Dr. Susan K. Gregurick*

*Director, Division of Biomedical Technology, Bioinformatics, and Computational Biology, National Institutes of Health*

*Moderated by Amanda Wilson, Director of the National Transportation Library, Department of Transportation*

This session will look at how open science could evolve. The closing keynote speaker will address issues such as:

- Future roles of the public and private sectors with regard to open science, as well as the future roles of researchers, librarians, publishers, etc.
- The preservation of the scholarly record – how can/will it be done as the flow of scholarly communication becomes less controlled and more open
- Geopolitical/security roadblocks

### **4:30 pm – 4:40 pm      Closing and Wrap-up**

*Bonnie C. Carroll, Executive Director, CENDI Secretariat*

